

L Number	Hits	Search Text	DB	Time stamp
1	4	"6458096"	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB USPAT	2004/06/30 14:56
2	1	6458096.URPN.		2004/06/30 14:57
3	23	("2078686" "3592184" "3726283" "3795246" "4029104" "4130119" "4219026" "4596548" "4757194" "4813934" "4848344" "4857054" "4917667" "5078681" "5197952" "5324260" "5378238" "5385548" "5437632" "5454788" "5454789" "5792118" "5807328").PN.	USPAT	2004/06/30 14:57
4	1	balloon with slid\$4 with valve with (step\$4 or taper\$4)	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB USPAT	2004/06/30 15:00
5	27	balloon same slid\$4 same valve same (step\$4 or taper\$4)	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB USPAT	2004/06/30 15:17
6	100	(("5902631") or ("4441495") or ("5000175") or ("5542937") or ("5755695") or ("5776140") or ("5868719") or ("6068623") or ("6217567") or ("4470407") or ("4594996") or ("4597389") or ("4793351") or ("4820283") or ("4890623") or ("4921482") or ("4966583") or ("5015232") or ("5176638") or ("5178609") or ("5203772") or ("5219332") or ("5234454") or ("5239982") or ("5242395") or ("5261887") or ("5267955") or ("5279561") or ("5295492") or ("5308324") or ("5312338") or ("5320613") or ("5320639") or ("5322513") or ("5342386") or ("5344441") or ("5354257") or ("5360403") or ("5361777") or ("5368561") or ("5372587") or ("5374254") or ("5380284") or ("5383896") or ("5395352") or ("5415633") or ("5441497") or ("5454817") or ("5466230") or ("5480382").PN.	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB USPAT	2004/06/30 15:09
8	184	balloon with valve with (step\$4 or taper\$4)	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB USPAT	2004/06/30 15:46
9	3	"10150824"	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB USPAT	2004/06/30 15:46
10	1	"10/150824"	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB USPAT	2004/06/30 16:05
11	1883	606/194.cc1s.	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB USPAT	2004/06/30 16:06

12	4124	604/96.01,509,194,247,537,264,33.ccls.	USPAT; US-PPGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/06/30 16:06
13	608	604/96.01,509,194,247,537,264,33.ccls. and slid\$8 and valve and proximal	USPAT; US-PPGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/06/30 16:06
15	312	604/96.01,509,194,247,537,264,33.ccls. and slid\$8 and valve with proximal	USPAT; US-PPGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/06/30 16:07
14	55	606/194.ccls. and valve with slid\$4	USPAT; US-PPGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/06/30 16:24
16	1	09/882823	USPAT; US-PPGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/06/30 17:12
17	4	(("4816020") or ("5167239")).PN.	USPAT; US-PPGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/06/30 17:14
18	50	((("4816020") or ("5167239") or ("6325777") or ("6325778") or ("3467101") or ("4811737") or ("4846174") or ("4946466") or ("5807330") or ("5833644") or ("5833650") or ("5893867") or ("6015402") or ("6022336") or ("6050972") or ("6068623") or ("6102891") or ("6135991") or ("6190332") or ("6217567") or ("6228072") or ("6231588") or ("6234996") or ("6252909") or ("6270477") or ("6273878")).PN.	USPAT; US-PPGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/06/30 17:16
-	22	"5807330"	USPAT; US-PPGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/06/30 10:09
-	191	(balloon with valve) same (ports or openings) and (catheter or lumen)	USPAT; US-PPGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/06/30 10:12
-	48	(balloon with valve) and (inflate with (ports or openings)) and (catheter or lumen)	USPAT; US-PPGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/06/30 10:19
-	454	balloon with proximal with valve	USPAT; US-PPGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/06/30 10:19
-	341	balloon with proximal with valve same inflat\$9	USPAT; US-PPGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/06/30 10:20
-	143	balloon with proximal with valve same (slid\$4 or push or pull\$4 or close\$4)	USPAT; US-PPGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/06/30 10:23

-	69	balloon with slide with valve	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM TDB	2004/06/30 14:59
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PLUS Search Results for S/N 09882823, Searched June 30, 2004

The Patent Linguistics Utility System (PLUS) is a USPTO automated search system for U.S. Patents from 1971 to the present. PLUS is a query-by-example search system which produces a list of patents that are most closely related linguistically to the application searched. This search was prepared by the staff of the Scientific and Technical Information Center, SIRA.

5902631
4441495
5000175
5542937
5755695
5776140
5868719
6068623
6217567
4470407
4594996
4597389
4793351
4820283
4890623
4921482
4966583
5015232
5176638
5178609
5203772
5219332
5234454
5239982
5242395
5261887
5267955
5279561
5295492
5308324
5312338
5320613
5320639
5322513
5342386

09882823_LIST

5344441
5354257
5360403
5361777
5368561
5372587
5374254
5380284
5383896
5395352
5415633
5441497
5454817
5466230
5480382

09882823_CLS

Most Frequently Occurring Classifications of Patents Returned
From A Search of 09882823 on June 30, 2004

Original Classifications

5	604/528
2	600/585
2	604/101.03
2	604/161
2	604/256
2	604/530
2	604/95.01
2	606/194
2	606/195
2	606/213

Cross-Reference Classifications

10	600/585
7	606/194
6	604/915
5	604/264
4	604/523
3	600/434
3	604/256
3	604/95.04
3	604/96.01
3	606/192
2	604/101.05
2	604/159
2	604/178
2	604/265
2	604/284
2	604/528
2	604/533
2	604/908
2	604/919
2	604/99.01
2	606/191

Combined Classifications

12	600/585
9	606/194
7	604/528
6	604/915
5	604/256
5	604/264
5	604/523
4	604/95.04

09882823_CLS

3 600/434
3 604/265
3 604/533
3 604/96.01
3 606/191
3 606/192
2 604/101.03
2 604/101.05
2 604/159
2 604/161
2 604/164.13
2 604/178
2 604/284
2 604/530
2 604/908
2 604/919
2 604/95.01
2 604/99.01
2 606/159
2 606/195
2 606/213

09882823_CLSTITLES

Titles of Most Frequently Occurring Classifications of Patents Returned

From A Search of 09882823 on June 30, 2004

12 600/585 (2 OR, 10 XR)
 Class 600 : SURGERY
 600/300 DIAGNOSTIC TESTING
 600/585 .Flexible catheter guide

9 606/194 (2 OR, 7 XR)
 Class 606 : SURGERY
 606/1 INSTRUMENTS
 606/191 .Internal pressure applicator (e.g., dilator)
 606/192 ..Inflatable or expandible by fluid
 606/194 ...Inserted in vascular system

7 604/528 (5 OR, 2 XR)
 Class 604 : SURGERY
 604/19 MEANS FOR INTRODUCING OR REMOVING MATERIAL FRO
 M
 EDICATING,
 604/48 .Treating material introduced into or removed
 ed subcutaneously from body orifice, or inserted or remov
 other than by diffusing through skin
 604/93.01 ..Material introduced or removed through
 r inserted in body conduit, holder, or implantable reservoi
 604/264 ...Body inserted tubular conduit structure
 s, catheters, (e.g., needles, cannulas, nozzles, trocar
 etc.)
 604/523Flexible catheter or means (e.g., coupling
) used therewith
 604/528With means to advance or steer catheter,
 excluding remotely controlled devices

6 604/915 (0 OR, 6 XR)
 Class 604 : SURGERY
 604/915 BALLOON CATHETERS [A61M 25/10]

5 604/256 (2 OR, 3 XR)

09882823_CLSTITLES
Class 604 : SURGERY
604/19 MEANS FOR INTRODUCING OR REMOVING MATERIAL FRO

M
DICATING,
604/48
d subcutaneously
604/93.01
inserted in body
604/246
e or amount
604/256
5 604/264 (0 OR, 5 XR)
Class 604 : SURGERY
604/19 MEANS FOR INTRODUCING OR REMOVING MATERIAL FRO

BODY FOR THERAPEUTIC PURPOSES (E.G., ME
IRRIGATING, ASPIRATING, ETC.)
.Treating material introduced into or removed
from body orifice, or inserted or remove
other than by diffusing through skin
.Material introduced or removed through
conduit, holder, or implantable reservoir
...Means for controlling material flow to or
from body, or metering a predetermined dos
....Having flow closing or opening means (e.g.
plug, cap, seal, etc.)

M
ICATING,
604/48
subcutaneously
604/93.01
inserted in body
604/246
catheters,
5 604/523 (1 OR, 4 XR)
Class 604 : SURGERY
604/19 MEANS FOR INTRODUCING OR REMOVING MATERIAL FRO

BODY FOR THERAPEUTIC PURPOSES (E.G., MED
IRRIGATING, ASPIRATING, ETC.)
.Treating material introduced into or removed
from body orifice, or inserted or removed
other than by diffusing through skin
.Material introduced or removed through
conduit, holder, or implantable reservoir
...Body inserted tubular conduit structure
(e.g., needles, cannulas, nozzles, trocars,
etc.)

M
DICATING,
IRRIGATING, ASPIRATING, ETC.)

09882823_CLSTITLES

604/48 .Treating material introduced into or removed from body orifice, or inserted or removed subcutaneously

604/93.01 other than by diffusing through skin
.Material introduced or removed through conduit, holder, or implantable reservoir

inserted in body

604/264 ...Body inserted tubular conduit structure (e.g., needles, cannulas, nozzles, trocars, catheters, etc.)

604/523Flexible catheter or means (e.g., coupling) used therewith

4 604/95.04 (1 OR, 3 XR)
Class 604 : SURGERY
604/19 MEANS FOR INTRODUCING OR REMOVING MATERIAL FRO

M BODY FOR THERAPEUTIC PURPOSES (E.G., ME

DICATING,

604/48 IRRIGATING, ASPIRATING, ETC.)
.Treating material introduced into or removed from body orifice, or inserted or removed subcutaneously

604/93.01 other than by diffusing through skin
.Material introduced or removed through conduit, holder, or implantable reservoir

inserted in body

604/95.01 ...Conduit with self-propelled or remote control means

604/95.04Having tensioning means to alter conduit shape

3 600/434 (0 OR, 3 XR)
Class 600 : SURGERY
600/300 DIAGNOSTIC TESTING
600/407 .Detecting nuclear, electromagnetic, or ultrasonic radiation
600/431 ...Detectable material placed in body
600/433 ...Using flexible catheter
600/434Catheter guide means

3 604/265 (1 OR, 2 XR)
Class 604 : SURGERY
604/19 MEANS FOR INTRODUCING OR REMOVING MATERIAL FRO

09882823_CLSTITLES

M

DICATING,

604/48

d subcutaneously

604/93.01

inserted in body

604/264

, catheters,

604/265

...Body inserted tubular conduit structure
(e.g., needles, cannulas, nozzles, trocars
etc.)
....With body soluble, antibactericidal or
lubricating materials on conduit

3 604/533 (1 OR, 2 XR)

Class 604 : SURGERY

604/19 MEANS FOR INTRODUCING OR REMOVING MATERIAL FRO

M

EDICATING,

604/48

ed subcutaneously

604/93.01

r inserted in body

604/264

s, catheters,

604/523

...Body inserted tubular conduit structure
(e.g., needles, cannulas, nozzles, trocar
etc.)
....Flexible catheter or means (e.g., coupling
used therewith
.....Coupling or connector structure

3 604/96.01 (0 OR, 3 XR)

Class 604 : SURGERY

604/19 MEANS FOR INTRODUCING OR REMOVING MATERIAL FRO

M

BODY FOR THERAPEUTIC PURPOSES (E.G., MED

09882823_CLSTITLES

ICATING,

604/48

subcutaneously

604/93.01

inserted in body

604/96.01

r, occluder,

IRRIGATING, ASPIRATING, ETC.)

.Treating material introduced into or removed from body orifice, or inserted or removed

other than by diffusing through skin

.Material introduced or removed through conduit, holder, or implantable reservoir

3 606/191 (1 OR, 2 XR)

Class 606 : SURGERY

606/1 INSTRUMENTS

606/191 .Internal pressure applicator (e.g., dilator)

3 606/192 (0 OR, 3 XR)

Class 606 : SURGERY

606/1 INSTRUMENTS

606/191 .Internal pressure applicator (e.g., dilator)

606/192 ..Inflatable or expandible by fluid

2 604/101.03 (2 OR, 0 XR)

Class 604 : SURGERY

604/19 MEANS FOR INTRODUCING OR REMOVING MATERIAL FRO

M

BODY FOR THERAPEUTIC PURPOSES (E.G., M

EDICATING,

604/48

ed subcutaneously

604/93.01

r inserted in body

604/96.01

ter, occluder,

604/101.01

IRRIGATING, ASPIRATING, ETC.)

.Treating material introduced into or removed from body orifice, or inserted or removed

other than by diffusing through skin

.Material introduced or removed through conduit, holder, or implantable reservoir

...Having means inflated in body (e.g.,

inflatable nozzle, dilator, balloon cathe

etc.)

....Having plural balloons on conduit

09882823_CLSTITLES

604/101.03Having aperture in conduit between balloons

2 604/101.05 (0 OR, 2 XR)

Class 604 : SURGERY

604/19 MEANS FOR INTRODUCING OR REMOVING MATERIAL FRO

M

EDICATING,

604/48

ed subcutaneously

604/93.01

r inserted in body

604/96.01

ter, occluder,

604/101.01

604/101.05

...Having means inflated in body (e.g.,
inflatable nozzle, dilator, balloon cathe
ter, etc.)

....Having plural balloons on conduit

....Axially spaced balloons

2 604/159 (0 OR, 2 XR)

Class 604 : SURGERY

604/19 MEANS FOR INTRODUCING OR REMOVING MATERIAL FRO

M

DICATING,

604/48

d subcutaneously

604/93.01

inserted in body

604/158

n

osed in the body

604/159

t

...Body entering conduit axially movable withi
body piercing conduit while former is disp

....Having mechanical means for feeding condui
through piercing conduit

09882823_CLSTITLES

2 604/161 (2 OR, 0 XR)
Class 604 : SURGERY
604/19 MEANS FOR INTRODUCING OR REMOVING MATERIAL FRO
M
DICATING,
604/48
d subcutaneously
604/93.01
inserted in body
604/158
n
osed in the body
604/161
....Piercing conduit longitudinally separable
for removal from body entering conduit

2 604/164.13 (1 OR, 1 XR)
Class 604 : SURGERY
604/19 MEANS FOR INTRODUCING OR REMOVING MATERIAL FRO
M
DICATING,
604/48
d subcutaneously
604/93.01
inserted in body
604/164.01
it while latter
604/164.13
....Guidewire within flexible body entering
conduit

2 604/178 (0 OR, 2 XR)
Class 604 : SURGERY

09882823 CLSTITLES
604/19 MEANS FOR INTRODUCING OR REMOVING MATERIAL FRO

M

DICATING,

604/48

d subcutaneously

604/93.01

inserted in body

604/174

604/178

BODY FOR THERAPEUTIC PURPOSES (E.G., ME
IRRIGATING, ASPIRATING, ETC.)

.Treating material introduced into or removed
from body orifice, or inserted or remove

other than by diffusing through skin

..Material introduced or removed through
conduit, holder, or implantable reservoir

...Means for securing conduit to body

....Axially movable clamp means

2 604/284 (0 OR, 2 XR)

Class 604 : SURGERY

604/19

MEANS FOR INTRODUCING OR REMOVING MATERIAL FRO

M

EDICATING,

604/48

ed subcutaneously

604/93.01

r inserted in body

604/264

s, catheters,

604/523

)

604/284

BODY FOR THERAPEUTIC PURPOSES (E.G., M

IRRIGATING, ASPIRATING, ETC.)

.Treating material introduced into or removed
from body orifice, or inserted or remov

other than by diffusing through skin

..Material introduced or removed through
conduit, holder, or implantable reservoi

...Body inserted tubular conduit structure
(e.g., needles, cannulas, nozzles, trocar

etc.)

....Flexible catheter or means (e.g., coupling

used therewith

.....Having branched shapes (e.g., T or Y
drains, etc.)

2 604/530 (2 OR, 0 XR)

Class 604 : SURGERY

604/19

MEANS FOR INTRODUCING OR REMOVING MATERIAL FRO

M

BODY FOR THERAPEUTIC PURPOSES (E.G., M

IRRIGATING, ASPIRATING, ETC.)

09882823_CLSTITLES

604/48 .Treating material introduced into or removed from body orifice, or inserted or removed subcutaneously

604/93.01 other than by diffusing through skin
.Material introduced or removed through conduit, holder, or implantable reservoir inserted in body

604/264 ...Body inserted tubular conduit structure (e.g., needles, cannulas, nozzles, trocar s, catheters, etc.)

604/523Flexible catheter or means (e.g., coupling) used therewith

604/530With shape retaining memory

2 604/908 (0 OR, 2 XR)
Class 604 : SURGERY
604/908 INFLATABLE GRIPPING ELEMENTS [A61B 17/22E2]

2 604/919 (0 OR, 2 XR)
Class 604 : SURGERY
604/915 BALLOON CATHETERS [A61M 25/10]
604/919 .Multiple balloon catheters [A61M 25/10D]

2 604/95.01 (2 OR, 0 XR)
Class 604 : SURGERY
604/19 MEANS FOR INTRODUCING OR REMOVING MATERIAL FRO M
ICATING,
604/48 BODY FOR THERAPEUTIC PURPOSES (E.G., MED
ICATING, ASPIRATING, ETC.)

subcutaneously

604/93.01 .Treating material introduced into or removed from body orifice, or inserted or removed other than by diffusing through skin
.Material introduced or removed through conduit, holder, or implantable reservoir inserted in body

604/95.01 ...Conduit with self-propelled or remote control means

2 604/99.01 (0 OR, 2 XR)
Class 604 : SURGERY
604/19 MEANS FOR INTRODUCING OR REMOVING MATERIAL FRO M

09882823 CLSTITLES

BODY FOR THERAPEUTIC PURPOSES (E.G., ME

DICATING,

604/48

d subcutaneously

IRRIGATING, ASPIRATING, ETC.)

.Treating material introduced into or removed
from body orifice, or inserted or remove

other than by diffusing through skin

..Material introduced or removed through
conduit, holder, or implantable reservoir

inserted in body

604/96.01

er, occluder,

...Having means inflated in body (e.g.,
inflatable nozzle, dilator, balloon cathet
etc.)

604/99.01

....Having inflation or deflation control mean

s

2 606/159 (1 OR, 1 XR)

Class 606 : SURGERY

606/1 INSTRUMENTS

606/159 .Blood vessel, duct or teat cutter, scrapper o

r

abrader

2 606/195 (2 OR, 0 XR)

Class 606 : SURGERY

606/1 INSTRUMENTS

606/191 .Internal pressure applicator (e.g., dilator)

606/192 ..Inflatable or expandible by fluid

606/194 ...Inserted in vascular system

606/195Detachable from inflation means

2 606/213 (2 OR, 0 XR)

Class 606 : SURGERY

606/1 INSTRUMENTS

606/213 .Sutureless closure